

Corrected
Notice of Allowability

Application No.

10/032,617

Examiner

Nadeem Iqbal

Applicant(s)

STRASSER, AMNON A.

Art Unit

2114 . 2

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to June 27, 2005.
2. ☒ The allowed claim(s) is/are 1-24, 28-40 and 42-74.
3. ☒ The drawings filed on 02 January 2002 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Nadeem Iqbal

**NADEEM IQBAL
PRIMARY EXAMINER**

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Paul J. Wilson on Aug 18, 2005.

Claims 42 and 63 are amended as follows:

42. (Currently Amended) A computer program product for enabling a system to transfer data between volatile memory and updateable backup memory in a system having a main sub-system and a mirror sub-system, each powered by an uninterruptible power supply, the computer program product comprising:

software instructions for enabling said system to perform predetermined operations, and a computer readable storage medium bearing the software instructions;

the predetermined operations comprising:

determining if a main control unit is available, or otherwise waiting until said main control unit is available;

transferring data from said main volatile memory to said updateable backup memory;

keeping record of which data was not transferred to said updateable backup memory; and

causing the data transfer of only the data indicated in said record to said updateable backup memory upon the detection of power failure in said uninterruptible power supply.

63. (Currently Amended) A computer program product for enabling a computer system to transfer data between a volatile memory and a main updateable non-volatile memory in a system having a main sub-system and a mirror sub-system, each powered by an uninterruptible power supply, the computer program product comprising:

software instructions for enabling the computer system to perform predetermined operations, and a computer readable storage medium bearing the software instructions;

the predetermined operations comprising:

determining if a voltage level of the main sub-system is less than a predetermined level;

based on that determination, if the voltage level is less than a predetermined level, checking if the voltage level of the mirror sub-system is less than a predetermined level;

based on that determination transferring all data not previously backed up in said main updateable non-volatile memory from said main volatile memory to said main non-volatile memory, or otherwise transferring only data not previously transferred to a backup memory;

determining if said redundant control unit completed transfer of data to non-volatile memory; and

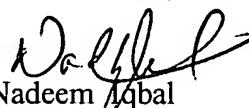
based on that determination, turning off the uninterruptible power supply of the non-volatile memory module, or otherwise indicating the completion of data transfer to said main non-volatile memory.

Art Unit: 2114

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nadeem Iqbal whose telephone number is (571)-272-3659. The examiner can normally be reached on M-F (8:00-5:30) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert W. Beausoliel can be reached on (571)-272-3645. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Nadeem Iqbal
Primary Examiner
Art Unit 2114

NI